

NATURAL RESOURCES CONSERVATION SERVICE
VIRGINIA
OPERATION AND MAINTENANCE REQUIREMENTS
POND SEALING OR LINING-SOIL DISPERSANT
CODE 521B

Land Owner/Operator_____

County_____ SWCD_____ Farm/Tract No. _____

Prepared By_____ Date_____

OPERATION AND MAINTENANCE ITEMS

A properly operated and maintained pond liner is an asset to the farm. The lining was designed and installed to control seepage from water and waste impoundments for water conservation and environmental protection. Estimated life span of this installation is at least _____ years. The life of the practice can be assured and usually increased by developing and carrying out a systematic operation and maintenance program.

This practice will require periodic maintenance and may also require operational items to maintain satisfactory performance. Your operation and maintenance program includes:

- A minimum of 12 inches of soil cover must be maintained over the treated liner. All protective measures including agitation pads, riprap, concrete chutes, and fencing must be maintained to protect the treated liner
- The soil cover should be inspected periodically and especially after heavy rains to determine whether it is being maintained at a thickness of 12 inches. Needed repairs shall be made promptly.
- All inlets, outlets, ramps, and other appurtenances shall be maintained in a manner that does not damage or impair the proper operation of the liner. Care shall be taken during the initial filling of the pond and all emptying activities to prevent damage to the liner. Pumping ramps and pads shall be utilized to avoid damage to the liner.
- The water level established for the pond shall not be manipulated to raise the water level above the planned elevation.
- Appurtenances such as trash racks, outlet structures and gates shall be kept free of trash. Remove debris that may accumulate at the embankment and immediately upstream or downstream from the basin.
- All structures shall be fenced to protect the liner from damage and for the safety of humans, livestock, wildlife, and pets.

- Erosion on the slopes of the embankment and/or in the earth auxiliary spillway shall be filled with suitable material, compacted, seeded and fertilized as needed. Should the upstream face of the embankment erode due to wave action, protection such as riprap may be needed. If seepage through or under the dam occurs, proper corrective measures shall be taken immediately.
- The vegetative cover of the embankment and/or earth spillway shall be maintained by mowing and fertilizing when needed. Trees can cause liner punctures and leaks and should not be permitted on the embankment and/or in the auxiliary spillway.
- Immediately repair any vandalism, vehicular, or livestock damage to any earthfills, spillways, outlets or other appurtenances.
- Eradicate or otherwise remove all rodents or burrowing animals and repair any damage caused by their activity.

Additional Operation and Maintenance Requirements Specific to this Plan:

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